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Operating Company, Inc  
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*Energy to Serve Your World*

July 23, 2010

Docket Nos.: 50-348  
50-364  
72-42

NL-10-1443

ATTN: Document Control Desk  
Director, Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety and Safeguards  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant – Units 1 and 2  
Independent Spent Fuel Storage Installation  
Registration of Spent Fuel Cask Use

Ladies and Gentlemen:

Southern Nuclear Operating Company (SNC) operates the Joseph M. Farley Nuclear Plant (FNP) Independent Spent Fuel Storage Installation (ISFSI) in accordance with the general license provisions of 10 CFR 72.210. The requirements of 10 CFR 72.212(b)(1)(ii) include registration of a spent fuel cask within 30 days of using each cask for the storage of spent nuclear fuel. Accordingly, SNC provides the following registration information associated with the HI-STORM 100 spent fuel cask systems placed into storage in the FNP ISFSI.

Cask Certificate: 72-1014, Amendment 3  
Overpack Model: HI-STORM 100S  
Overpack Serial Number: 0162  
MPC Model: MPC-32  
MPC Serial Number: 0039  
Date: June 24, 2010

Cask Certificate: 72-1014, Amendment 3  
Overpack Model: HI-STORM 100S  
Overpack Serial Number: 0163  
MPC Model: MPC-32  
MPC Serial Number: 0040  
Date: July 13, 2010

Total Cask Systems  
stored in the FNP ISFSI: 12

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

Handwritten signature of Mark J. Ajluni in cursive script.

M. J. Ajluni  
Nuclear Licensing Director

MJA/TWS

cc: Southern Nuclear Operating Company  
Mr. J. T. Gasser, Executive Vice President  
Mr. J. R. Johnson, Vice President – Farley  
Ms. P. M. Marino, Vice President – Engineering  
RTYPE: CFA04.054

U. S. Nuclear Regulatory Commission  
Mr. L. A. Reyes, Regional Administrator  
Mr. R. E. Martin, NRR Project Manager – Farley  
Mr. E. L. Crowe, Senior Resident Inspector – Farley  
Mr. P. Boyle, NRR Project Manager